

Claims:

1. Homokinetic joint having an inner hub (2, 2') and an outer hub (3), in which several tracks (4, 5) assigned to one another in pairs are provided, in each instance, in which balls (6) guided in a cage (7) are accommodated to transfer a torque between the inner hub (2, 2') and the outer hub (3), and having a sealing arrangement (10, 11, 16) for sealing the homokinetic joint (1, 1') on at least one side, **characterized in that** the sealing arrangement has a set of bellows (11, 16), which is articulated onto the outer hub (3) and/or a carrier housing (9, 9') that surrounds the latter, with its radially outer edge (11b, 16b), and is attached in stationary manner to the inner hub (2, 2'), with its radial inner edge (11a, 11b).
2. Fixed homokinetic joint according to claim 1, **characterized in that** the set of bellows (11) has at least one pleat (15).
3. Fixed homokinetic joint according to claim 2, **characterized in that** the peaks of the at least one pleat (15) run essentially in one plane, which lies approximately perpendicular to the axis of the inner hub (2), in a section that lies between the outer edge (11b), which is articulated onto the carrier housing (9), and the inner edge (11a), which is articulated onto the inner hub (2).

4. Fixed homokinetic joint according to claim 2 or 3, **characterized in that** the maximal operational incline angle between the inner hub (2) and the outer hub (3) amounts to approximately 10° , and the maximal installation incline angle is greater than 10° .

5. Displaceable homokinetic joint according to claim 1, **characterized in that** the set of bellows (16) has several pleats (17, 18), of which at least two pleats (17) are disposed next to one another in the axial direction of the inner hub (2').

6. Displaceable homokinetic joint according to claim 5, **characterized in that** the peaks of two adjacent pleats (17, 18) are oriented at an angle between approximately 120° and approximately 60° relative to one another.

7. Displaceable homokinetic joint according to claim 5 or 6, **characterized in that** the maximal operational incline angle between the inner hub (2') and the outer hub amounts to approximately 3° , and the maximal installation incline angle amounts to approximately 8° .

8. Displaceable homokinetic joint according to one of claims 5 to 7, **characterized in that** the permissible displacement path between the inner hub (2') and the outer hub during operation is between 5 mm and 90 mm.

9. Homokinetic joint according to one of the preceding claims, **characterized in that** radially outer edge (11b, 16b) of the set of bellows (11, 16) is crimped and/or clamped into a cap (13, 13') that surrounds the outer hub (3) and/or the carrier housing (9, 9'), at least in certain regions.

10. Homokinetic joint according to claim 9, **characterized in that** the cap (13, 13') has an approximately cylindrical section (13a, 13a') that extends away from the outer hub (3), which extends in the axial direction of the inner hub (2, 2') up to the vicinity of the region in which the radially inner edge (11a, 16a) of the set of bellows (11, 16) is fixed in place on the inner hub (2, 2').

11. Homokinetic joint according to one of the preceding claims, **characterized in that** the inner edge (11a, 16a) of the set of bellows (11, 16) is fixed in place on the inner hub (2, 2') by means of a strap, a tie (12), and/or a spring ring, in a fixed location during operation.

12. Homokinetic joint according to one of claims 1 to 10, **characterized in that** a sheet-metal ring is vulcanized into the radially inner edge (11a, 16a) of the set of bellows (11, 16), and that the radially inner edge (11a, 16a) of the set of bellows (11, 16) is drawn onto the inner hub (2, 2') with a press fit.

13. Homokinetic joint according to one of the preceding claims, **characterized in that** the set of bellows (11, 16) consists of rubber or a rubber-like plastic, having a hardness of approximately 70 Shore.

14. Homokinetic joint according to one of the preceding claims, **characterized in that** a closure lid (10) is provided on the side that faces away from the set of bellows (11, 16).

15. Homokinetic joint according to claim 14, **characterized in that** the closure lid (10) is pressed into the carrier housing (9, 9'), forming a seal.

16. Homokinetic joint according to one of the preceding claims, **characterized in that** the set of bellows (11, 16) is disposed on a transmission or differential side of the joint, and the outer hub (3) and/or the carrier housing (9, 9') are connected with a shaft.